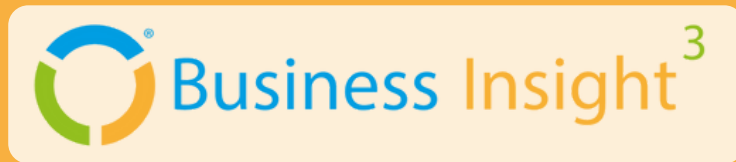




ENVIROEYE.AI

A Fly-Tipping & Litter Detection System

"Prevent Fly-Tipping, Enforce
Policy, Protect Communities &
Reduce Costs"



Bi3 are experts in Human, Vehicle, and Object Detection, delivering innovative solutions that enhance security, operations, and health & safety across a wide range of organisations. Our technologies are designed to mitigate risk, improve compliance, and deliver actionable data that drives ROI and operational efficiency, leveraging advanced CCTV and software platforms.

We pride ourselves on offering versatile solutions that can be deployed across virtually any sector. Through enhancements to existing CCTV infrastructure and the use of open-platform dashboards, we empower businesses to optimise performance and make informed decisions.

For straightforward requirements, we provide ready-to-deploy, out-of-the-box solutions. For more complex or specialised challenges, we excel in bespoke solution design and development, tailored to meet the unique needs of each client. Our services also include custom development and project management, ensuring even the most demanding scenarios are successfully delivered.

Bi3 acts as a central hub, partnering with leading international technology developers to integrate best-in-class solutions into a unified, intuitive platform. This "single pane of glass" approach simplifies complexity, streamlines operations, and maximises efficiency for our clients.

Mitigate Risk | Improve Compliance | Deliver Data



The Challenge

Fly-Tipping - An Increasing Challenge

From Business Insight 3

Fly-tipping poses a grave concern in the UK, imposing a hefty financial burden of millions of pounds on taxpayers annually. This illicit act involves the unlawful disposal of waste on both public and private grounds, detrimentally affecting the environment and local communities alike. The substantial cost of addressing fly-tipping encompasses over £57 million in yearly expenses for local authorities for removal and disposal operations. The urgency for a solution is undeniable...

Council Pain Points

- The cost of clean-up, manned patrols & waste disposal.
- Difficulty identifying perpetrators.
- Lack of resources for continuous monitoring.
- Growing public demand for visible enforcement.
- Minimal incident records.
- Lack of resources to manually fine perpetrators.

The Solution



What Is EnviroEye?

EnviroEye addresses the issues of fly-tipping and littering from vehicles using an advanced AI solution. This system operates through CCTV technology.

The solution integrates a litter detection algorithm with Automatic Number Plate Recognition (ANPR) and a customised dashboard. When an individual discards items in unauthorised areas, the AI captures the image and links the incident to the vehicle from which the person exited. This enables the ANPR system to track the license plate and cross-reference it with the DVLA database to identify the offender.

The collected evidence is then assembled into a package and sent to authorised personnel, allowing for fines to be issued as needed.

*“An AI-Powered
Solution to Combat
Fly-Tipping from
Vehicles”*



EnviroEye - Designed To Be Yours

EnviroEye is crafted to be exceptionally customisable, allowing it to adapt to various specific use cases. It consists of three main components: the Software, the Dashboard, and the Deployment Option. Explore the details below to learn more!

The Detection Software

The detection software operates on a compact NUC PC, making it compatible with most deployment systems. This software is a blend of AI algorithms designed to accurately identify abandoned objects and license plates, all integrated into a fly-tipping detection system.

The Custom Dashboard

With the system comes a bespoke dashboard. This is where all detection and incident data is collected and access at anytime. The solution keeps a record of incidents and showcases incident evidence, with integration into the DVLA allowing anonymous vehicle meta data to be viewed and an AI assistant to further enhance functionality.

The Deployment Options

There are three deployment options, each tailored for specific use cases. Rapid Deployment Towers, which provide visibility to potential fly-tippers, effectively discouraging such incidents. Additionally, this solution can be deployed using your existing CCTV infrastructure or through Bi3's Prism, a compact rapid deployment camera system.

ENVIROEYE DASHBOARD

Fly-tipping Incident Evidence

The fly-tipping Incident Evidence Clip

Incidents & Events

The log of incidents as detected by the system



Incident Details

The DVLA reference information.

Incident Confirmation or Deletion

Confirm or reject an incident escalating the data for further action.

FEATURES



Driver & Vehicle
Licensing
Agency

DVLA Anonymous Vehicle Meta Data

Within the EnviroEye Dashboard, you will find an integration with the DVLA database. Through the ANPR system, it captures anonymous license plate information and vehicle meta data from the DVLA. This is incorporated into the generated information package, which is subsequently used in the fine process sent to offenders.



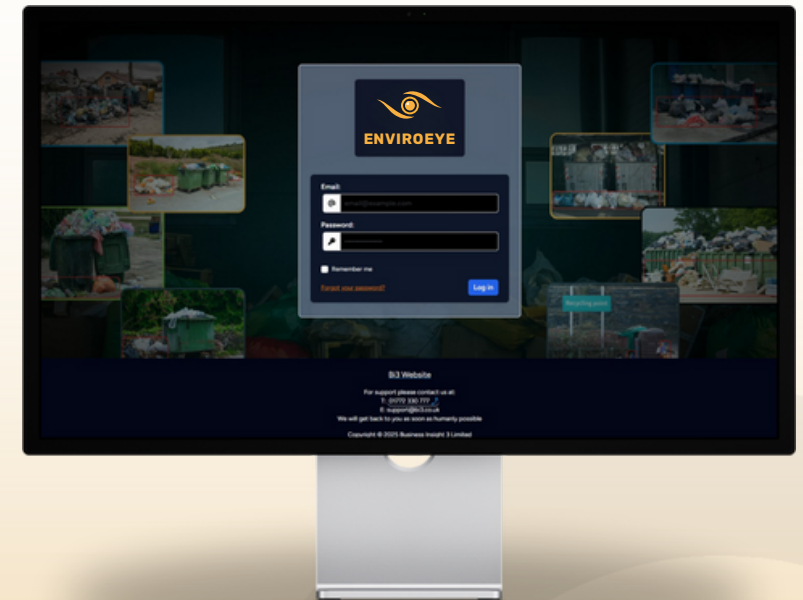
View Historic Event Data & Generate Reports

Keep a record of all events and maintain a historic incident log. Create a comprehensive log of all incidents and generate an ongoing event report. This can be done daily, weekly, monthly, or within any timeframe that suits you. This approach will help you identify trends in fly-tipping and recognise patterns and fluctuations in incidents.



AI Incident Assistant

With an integrated AI, EnviroEye will analyse incidents to identify the most likely fly-tipping occurrences, bringing them to your immediate attention. This streamlines the review process and reduces the time operators spend on reviews.





Benefits

Drive ROI Through Effective Enforcement

Regulations without enforcement lose their power. This is a challenge faced by councils and private entities alike. EnviroEye provides the evidence needed to support enforcement actions, streamlining the process and enabling a ROI through fines and penalties issued to offenders. It transforms passive policy into active deterrence.

Reduce Costs from Manual Clean-Up & Security Patrols

Cut down on expensive, labour-intensive processes such as manual clean-ups, security patrols, and time-consuming CCTV reviews. EnviroEye automates detection and reporting, reducing reliance on manned operations and accelerating response times. This not only saves costs but also improves operational efficiency and speeds up ROI.

Strengthen Community Relations & Enforce Local Policies

Demonstrate your commitment to cleaner, safer communities by taking proactive, innovative action against fly-tipping. EnviroEye not only helps tackle the issue effectively, but also sends a clear message that your organisation is investing in prevention.

**Before****After**

DARTFORD
BOROUGH COUNCIL

Dartford Council

Dartford Council deployed one fly-tipping Rapid Deployment CCTV unit at the Birchwood Road Recycling Point. The location was infamous among the locals as a dumping and fly-tipping hotspot.

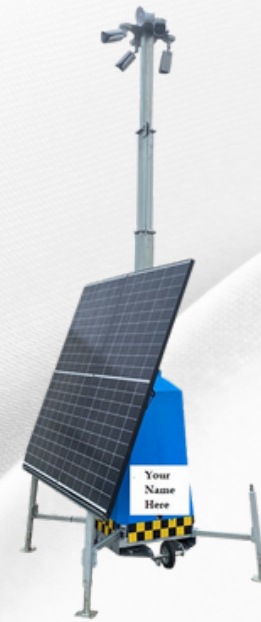
After deployment, an immediate impact was seen with several fines issued to fly-tipping offenders. After only a couple of days the community became aware of the new system and the risk of fines, leading to a massive reduction (near zero) incidents of fly-tipping.

Case Study

"The fly-tipping didn't move elsewhere. It just stopped."

Impact

- Near zero fly-tipping Incidents.
- Revenue stream through fine enforcement.
- The fly-tipping didn't move to another area.



Deployment Options

New or Existing CCTV

EnviroEye is deployable through your existing CCTV infrastructure systems. For Most systems, no obligation to upgrade with specialised cameras is needed. Enhance your existing infrastructure rather than let previous investment go to waste or upgrade your CCTV along with EnviroEye analytics.

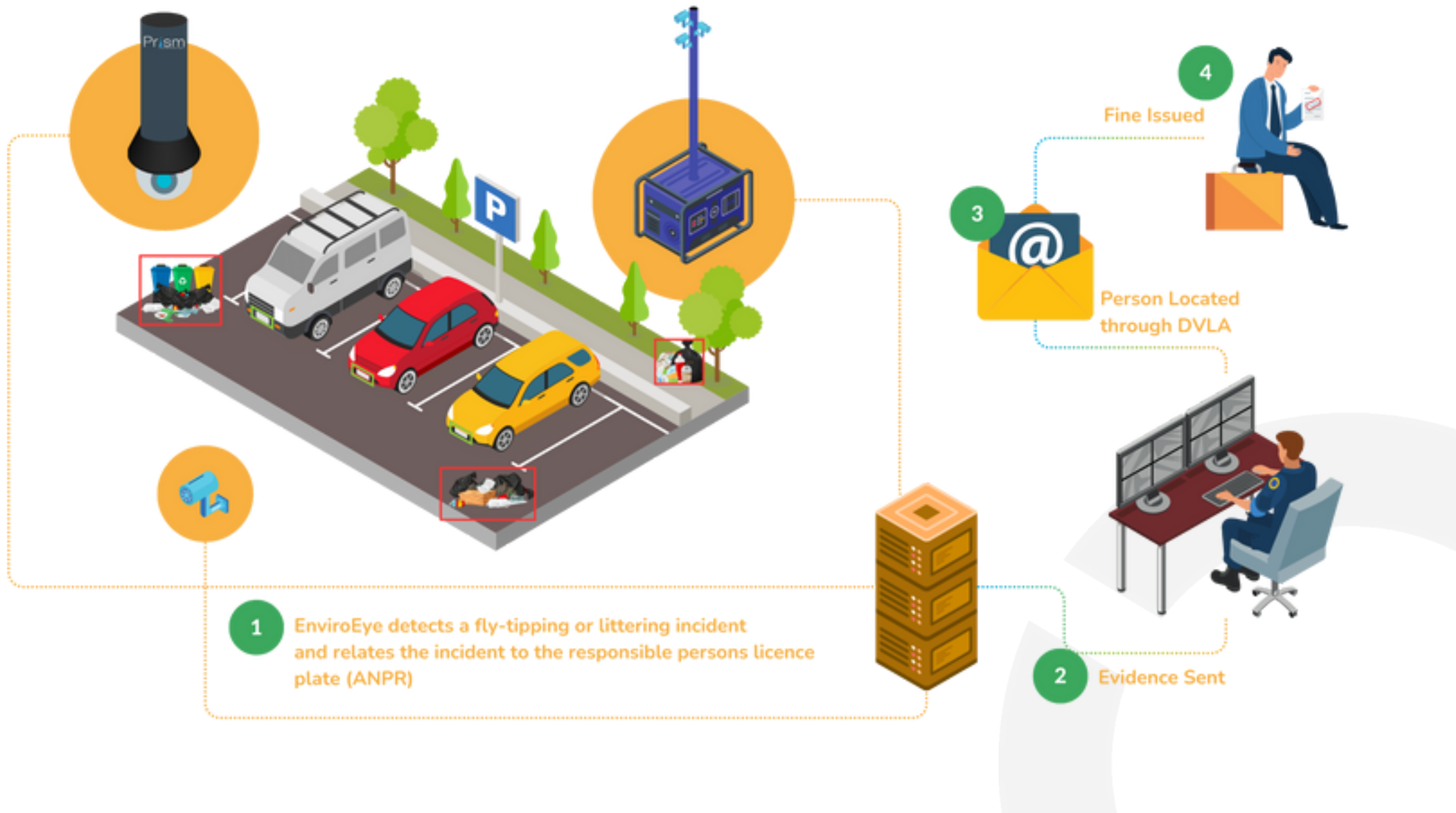
Bi3's PRISM Unit

The Bi3 Prism Unit is a self-contained CCTV and EnviroEye rapid deployment solution. It can be easily attached to walls or street lighting, allowing for deployment in just minutes while being fully configured and operational within a standalone unit.

Rapid CCTV Deployment

EnviroEye deployed via rapid deployment towers can operate up to 24/7, 365 days a year without external power or battery swaps while using solar tower deployments. It's a powerful combination and an imposing deterrent to potential fly-tippers.

EnviroEye Alert Process



Learn More



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